

S No	Permission Group ^[1]	Group Description ^[2]	Permissions ^[3]	Description ^[3]
1	LOCATION	allows access to the user's location using GPS for high accuracy, and cellular data and Wi-Fi for approximate accuracy.	ACCESS_BACKGROUND_LOCATION	Allows an app to access location in the background.
			ACCESS_COARSE_LOCATION	Allows an app to access an approximate location.
			ACCESS_FINE_LOCATION	Allows an app to access precise location.
			ACCESS_MEDIA_LOCATION	Allows an application to access any geographic locations persisted in the user's shared collection.
2	STORAGE	allows access to user's files, media, photos, and basically anything else stored on their phone's memory.	READ_EXTERNAL_STORAGE	Allows an application to read from external storage.
			WRITE_EXTERNAL_STORAGE	Allows an application to write to external storage.
3	CALENDAR	allows apps to read, create, edit, or delete user's calendar events.	READ_CALENDAR	Allows an application to read the user's calendar data.
			WRITE_CALENDAR	Allows an application to write the user's calendar data.
4	CAMERA	allows apps in taking photos, recording footage, and streaming video.	CAMERA	Required to be able to access the camera device.
5	CONTACTS	allows apps to read, create, or edit a user's contact list, as well as access the list of all accounts used on their device.	GET_ACCOUNTS	Allows access to the list of accounts in the Accounts Service.
			READ_CONTACTS	Allows an application to read the user's contacts data.
			WRITE_CONTACTS	Allows an application to write the user's contacts data.
6	PHONE	allows access to phone numbers and network info. Required for making calls and VoIP, voicemail, call redirect, and editing call logs.	ACCEPT_HANDOVER	Allows a calling app to continue a call which was started in another app.
			ADD_VOICEMAIL	Allows an application to add voicemails into the system.
			ANSWER_PHONE_CALLS	Allows the app to answer an incoming phone call.
			CALL_PHONE	Allows an application to initiate a phone call without going through the Dialer user interface for the user to confirm the call.
			PROCESS_OUTGOING_CALLS	Allows an application to see the number being dialed during an outgoing call with the option to redirect the call to a different number or abort the call altogether.
			READ_PHONE_NUMBERS	Allows read access to the device's phone number(s).

			READ_PHONE_STATE	Allows read only access to phone state, including the current cellular network information, the status of any ongoing calls, and a list of any PhoneAccounts registered on the device.
			USE_SIP	Allows an application to use SIP service.
7	SENSORS	allows access to user's health data and step count from paired heart-rate monitors, fitness trackers, and other sensors.	BODY_SENSORS	Allows an application to access data from sensors that the user uses to measure what is happening inside their body, such as heart rate.
8	SMS	allows access to read, receive, and send MMS and SMS messages.	READ_SMS	Allows an application to read SMS messages.
			RECEIVE_SMS	Allows an application to receive SMS messages.
			RECEIVE_MMS	Allows an application to monitor incoming MMS messages.
			RECEIVE_WAP_PUSH	Allows an application to receive WAP push messages.
			SEND_SMS	Allows an application to send SMS messages.
9	MICROPHONE	allows access for recording audio, including for video.	RECORD_AUDIO	Allows an application to record audio.
10	CALL LOG	allows apps to read and write phone call logs.	READ_CALL_LOG	Allows an application to read the user's call log.
			WRITE_CALL_LOG	Allows an application to write (but not read) the user's call log data.
11	ACTIVITY RECOGNITION	allows access to the user's physical activity logs, such as step count and exercise info.	ACTIVITY_RECOGNITION	Allows an application to recognize physical activity.
12*	ACCESSIBILITY	assists users with disabilities in using Android devices and apps	BIND_ACCESSIBILITY_SERVICE	Must be required by an AccessibilityService, to ensure that only the system can bind to it.

*The ACCESSIBILITY is not an official dangerous permission group.

References:

- [1]. <https://ieeexplore.ieee.org/document/9272963>
- [2]. <https://www.androidauthority.com/app-permissions-886758/>
- [3]. <https://developer.android.com/reference/android/Manifest.permission>